

State of California  
AIR RESOURCES BOARDEXECUTIVE ORDER A-6-109  
Relating to Certification of New Motor Vehicle Engines

## GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100 and 43102 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That General Motors Corporation 1977 model-year diesel-powered engines in heavy-duty motor vehicles are certified for the engine family described below:

<u>Engine Family</u>	<u>Engine Size (CID)</u>	<u>Engine Model</u>	<u>Type</u>
4L-53T	212	5A55 Injectors	Inline 4-Turbocharged

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.


The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

<u>Engine Family</u>	<u>HC + NOx gm/bhp-hr</u>	<u>CO gm/bhp-hr</u>	<u>HC gm/bhp-hr</u>	<u>NOx gm/bhp-hr</u>
4L-53L		3	0.7	6.9

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 26 day of August, 1977.



G. C. Hass, Chief  
Vehicle Emissions Control Division

## 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer General Motors Corporation Executive Order No. A-6-109 Page 1Engine Family 4L-53T Engine (CID) 212Emission Control Systems Fuel Modulator Type TC

Engine Model	Fuel Pump Mfgr. Part Number	Injector Mfg. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP	Basic Initial Timing
4L-53T	None	5A55 GMC 5229676	155 @ 2500	54.0	8

Comments

Date of Issue 082977.

Abbreviation

Type

NA - Natural Aspiration

TC - Turbocharged

TCA - Turbocharged and Aftercooled